

A8
Amended

input and output, respectively, for rotatably relating the input and the output, the improvement comprising, in combination: vanes located radially outward of the first and second drive components for drawing air radially outwardly intermediate the first and second drive components for creating air flow between the first and second drive components to provide cooling for the first and second drive components; and a mount for mounting a fan to the output, with the mount having openings radially inward of the first and second drive components, with the vanes drawing air through the openings and intermediate the first and second drive components.

Please cancel claim 26 as being incorporated into claim 25 (amended).

Please cancel claim 28 as being incorporated into claim 25 (amended).

Please add the attached claims 29-32. A check including the amount of \$22.00 is enclosed to cover the claim fees.

REMARKS

Examiner Bonck has rejected the originally filed claims 1, 2, and 22-28 of the present application under 35 USC §102 and §103. For the reasons which follow, applicants respectfully traverse this rejection of Examiner Bonck. The applicants do, however, wish to extend appreciation to Examiner Bonck for the quite detailed review of the claims of the present invention leading to the finding of patentable subject matter of the claims of the present application and an indication of the allowability of claims 3-9 if placed in an independent form.

For the Examiner's information, an Information Disclosure Statement was mailed to the United States Patent and Trademark Office for the above application on November 21, 1995. As the

self-addressed stamped return card has not been received therefore and in light that the initialized PTO-1449 Form was not returned with the communication mailed January 31, 1996, a copy of this Information Disclosure Statement including a Certificate of Mailing is enclosed.

Examiner Bonck indicated that documents cited in the corresponding PCT application and listed on a form PTO-1449 filed July 13, 1995 were not available in the parent application (08/201,783). It should be noted that these documents were enclosed with an Information Disclosure Statement for application No. 08/201,783 received by the United States Patent and Trademark Office on July 13, 1995 (as indicated on the received stamp on the self-addressed post-card received by the undersigned attorney). As copies of the prior art should be available in the files of the United States Patent and Trademark Office for parent application No. 08/201,783, no further copies have been provided herewith. In the event that the Patent Office has misplaced the documents, the undersigned requests Examiner Bonck to telephone the undersigned attorney so that the record in the parent as well as the present application is complete.

Additionally, while reviewing the above application, it was noted that the prior art listed on the last page of a PTO Form 1449 and cited in an Information Disclosure Statement filed on May 4, 1994 in parent application No. 08/201,783 was apparently not listed in the PTO Form 1449 attached to the Information Disclosure Statement filed on June 28, 1995 for the above application. Thus, this prior art is listed in the enclosed PTO Form 1449.

Further, as set forth in an Information Disclosure Statement filed March 19, 1996 in parent application No.

08/254,290, U.S. Patent 3,403,275 which corresponds to previously cited German Patent 1 563 049 is listed in the enclosed PTO Form 1449.

In continuation of the Information Disclosure Statement filed July 13, 1995 and based upon more detailed review of document DE-A-42 07 710, it has now been realized that document DE-A-42 07 710 is similar to but is not the same as U.S. Patent 4,926,992 previously cited herein. In particular, document DE-A-42 07 710 discloses a rotational control apparatus 1 including a first, friction disc portion 15 slideably mounted on and rotationally related to a hub 17 rotatably mounted about an axis on a shaft 34 and including an input 5 rotatable about the axis and relative to the hub and to the shaft at a first rotational speed, with the first, friction disc portion 15 being reciprocal on the hub between a first position (electromagnet 4 energized) to rotatably relate the first, friction disc portion to the input to drive the hub at the first rotational speed and a second position (electromagnet 4 de-energized) with the first, friction disc portion being rotatably independent from the input, with means (eddy current clutches 7 or 35) for rotating the hub 17 on the shaft 34 at a second speed different from the first rotational speed when the first, friction disc portion 15 is in the second position. The undersigned attorney apologizes for any inconvenience. However, for completeness, a copy of German patent 42 07 710 is listed in the enclosed PTO Form 1449 and a copy is enclosed for the convenience of the United States Patent and Trademark Office.

It is Applicants' position that the claims of the present application are allowable over the information previously cited and cited herein, whether taken singly or in any combination.

Claim 1 has been amended to include the subject matter believed to have been found to be patentable in claims 3 and 4 as originally filed. It is then respectfully submitted that the rejection under 35 USC §102 based upon Linnig (Germany 32 03 143) has been overcome and that claims 1-11 are in condition for allowance over the prior art including but not limited to German patents 32 03 143 and 42 07 710. Such favorable action is respectfully requested.

Claim 28 has been incorporated into claim 24 and amended to further define the present invention to prevent Examiner Bonck's very imaginative reading of claim 28. It is then respectfully submitted that the rejection under 35 USC §102 based upon Danly has been overcome and that claims 24 and 26 are in condition for allowance. Such favorable action is respectfully requested.

Takaki discloses a rotational control apparatus of the conventional brake caliper type and specifically where the rotational speed of the output is zero such that when the interfaces are engaged, the input is rotationally related to the output and thus is stopped. It should then be noted that since Takaki is of the caliper type, ribs 3a, 3b and 9 are positioned between discs 1 and 2 which would prevent perpendicular air flow as in the present invention. Claim 22 has been amended to further define the present invention to prevent Examiner Bonck's very imaginative reading of claim 22. It is then respectfully submitted that the rejection under 35 USC §103 based upon Takaki has been overcome and that claims 22-25 and 29-31 are in condition for allowance. Such favorable action is respectfully requested.

Therefore, since the claims of the present application have been shown to include limitations directed to the

features of applicants' rotational control apparatus which are neither shown, described, taught, nor alluded to in any of the references cited by the Examiner and by the applicants, whether those references are taken singly or in any combination, the Examiner is requested to allow claims 1-25, 27, and 29-32 as amended, of the present application and to pass this application to issue.

Respectfully submitted,

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By

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date indicated below.

4-30-96

Alan Kamrath

19 ~~28~~ 29. The rotational control apparatus of claim ~~22~~ ²⁵ wherein the cooling fins in the first and second quadratures are arranged solely at the acute angle.

~~29~~ 30. The rotational control apparatus of claim ~~29~~ ²⁸ wherein the cooling fins in the second and fourth quadratures are arranged solely along radial lines from the axis.

~~30~~ 31. The rotational control apparatus of claim ~~22~~ ²⁵ wherein the cooling fins extend axially from the annular body portion and terminate in free edges free of interconnection to any other portion of the rotational control apparatus.

~~12~~ 32. The rotational control apparatus of claim 1 wherein the ring of magnetic material and the permanent magnets are at the radial spacing from the axis of the friction engaging surfaces of the input and output.